

Home Theater Master

Preprogrammed & Learning

Remote Control



SL-9000
Operating
Manual

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Introduction

The **Home Theater Master SL-9000** remote control is preprogrammed to operate over 1,000 Audio and Video components so that you can set it up by simply punching in a three digit code number that matches your equipment.

The **SL-9000** also has the ability to learn new functions from your original remote controls, allowing you to customize the remote to your own needs and update it as you add new equipment. Please refer to page 8 - 18 for instructions on setting up the remote control.

The **Home Theater Master SL-9000** remote control operates up to **eight** different audio and video devices in your home entertainment system. They are listed below:

- 1 TVs, Monitors, Video/LCD Projectors**
- 2 VCRs, TV/VCR combination units**
- 3 Cable boxes, Internet set-tops**
- 4 Satellite receivers - DSS, Primestar, Dish, DBS, C-Band**
- 5 Audio receivers, Preamplifiers, Surround processors**
- 6 Compact disc players, Multi-Disc changers**
- 7 DVD, Laser disc players, Cassette decks**
- 8 Cassette Tape Players, DAT, MiniDisc, Switchers, Lighting, Home Control Devices, and Line Doublers**

Setting up the remote control to work with your equipment is simple. The remote control also has many advanced features that can add ease and enjoyment to the operation of your home entertainment system. Please follow the instructions in this manual, and retain the manual for future reference.

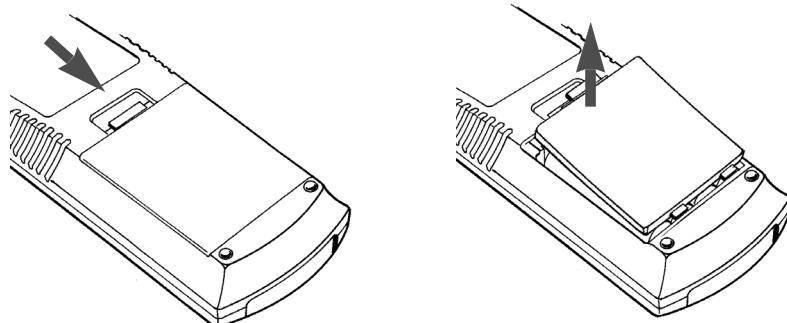
For any questions or comments about this remote control, please contact Universal Remote Control, Inc., 271 North Avenue, New Rochelle, NY 10801, or call (914) 235-2610. Service hours are 9:00 AM to 6:00 PM EST, Monday- Friday.

Battery Installation

This remote control uses four AAA 1.5 V batteries. Please be sure to match the batteries with the (+) and (-) markings inside the battery compartment during installation.

A: To Open and Close the Battery Compartment Cover

- 1** To open the battery cover, push the latch forward toward the top of the remote control, and lift the latch up.
- 2** To close the battery cover, slide the battery cover straight back in (toward the top of the remote) and push down until it "clicks" into place.



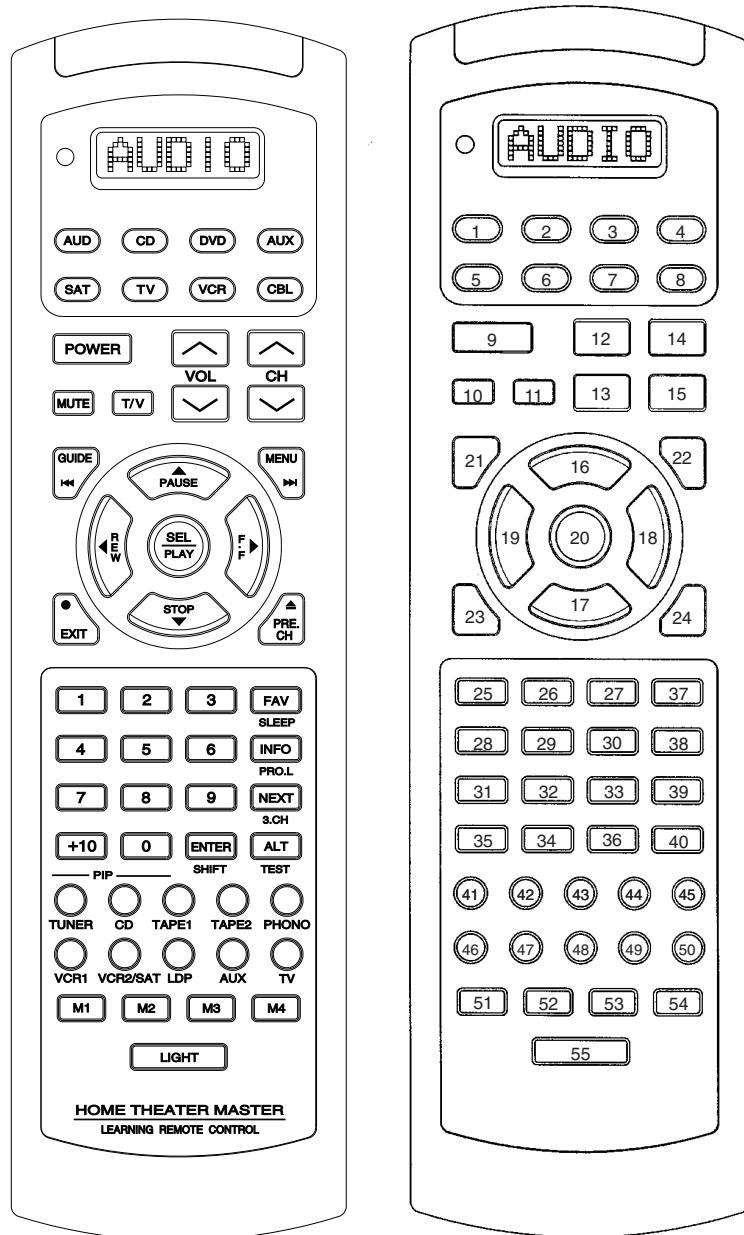
B: Low Battery Message

When the Liquid Crystal Display (LCD) flashes L_BAT, the batteries should be replaced.

Note: Batteries should last about 6 months under normal conditions. The **SL-9000** remote control will retain its programmed memory for up to one year after the batteries are removed and up to ten years after the batteries go "dead".

Using Your Remote

A: Function Table Reference



Using Your Remote

Function Table

| No. | Button Name | Audio Functions | SAT Functions | TV Functions |
|-------|----------------|-----------------|---------------|-------------------|
| 1-8 | Device Name | AUDIO (ON) | SAT (ON) | TV (ON) |
| 9 | Power | On/Off (OFF) | On/Off (OFF) | On/Off (OFF) |
| 10 | Mute | Mute | Mute | Mute |
| 11 | T/V Input | Band/FM | TV/SAT | TV/Video |
| 12 | VOL Up | Vol Up | Vol Up | Vol Up |
| 13 | VOL Down | Vol Down | Vol Down | Vol Down |
| 14 | CH Up | Preset + | Ch. Up | Ch. Up |
| 15 | CH Down | Preset - | Ch. Down | Ch. Down |
| 16 | Up/Pause | Center + | Up | Up |
| 17 | Down/Stop | Center - | Down | Down |
| 18 | Right/F.F. | Rear + | Right | Right/Picture |
| 19 | Left/Rew | Rear - | Left | Left/Audio |
| 20 | Sel/Play | Select/Sub.Bass | Select | Select/Enter |
| 21 | Guide/I<< | Display | Guide | Display/Recall |
| 22 | Menu/>>I | Surround | Menu | Menu |
| 23 | Exit/Rec | Delay - | Exit/Cancel | Exit/Clear |
| 24 | Pre. Ch./Eject | Delay+ | Prev. Ch. | Q. View/Last Ch. |
| 25-34 | 1—0 | 1—0 | 1—0 | 1—0 |
| 35 | 10+ | Plus 10 | | 100/Ch. Scan |
| 36 | Enter/Shift | Shift | Enter | Ch. Scan |
| 37 | Fav/Sleep | Sleep | Fav | Sleep |
| 38 | Info/Pro. L. | Pro. Logic | Info/Fetch | Caption |
| 39 | Next/3 Ch. | 3 Ch. | Next Prog. | Ant |
| 40 | Alt/Test | Test Tone | Alt. Audio | Reset |
| 41 | Tuner | Tuner/AM/FM | | PIP On/Auto Ch. |
| 42 | CD | CD | | PIP Swap, Add |
| 43 | Tape 1 | Tape 1 | | PIP Freeze/Delete |
| 44 | Tape 2 | Tape 2 | | PIP Off/Position |
| 45 | Phono | Phono | | TV/CATV |
| 46 | VCR1 | VCR1 | Rec. | Auto |
| 47 | VCR2/SAT | VCR2 | | Add |
| 48 | LD/DVD | LD/DVD | | Delete |
| 49 | Aux | Aux | | |
| 50 | TV | TV | | |
| 51 | M1 | | | |
| 52 | M2 | | | |
| 53 | M3 | | | |
| 54 | M4 | | | |
| 55 | Light | | | |

Using Your Remote

Function Table

| No. | Button Name | VCR Functions | Cable Functions |
|-------|----------------|----------------|-----------------|
| 1-8 | Device Name | VCR (ON) | CABLE (ON) |
| 9 | Power | On/Off (OFF) | On/Off (OFF) |
| 10 | Mute | Mute | Mute |
| 11 | T/V Input | VCR/TV | Switch/A/B |
| 12 | VOL Up | Vol Up | Vol Up |
| 13 | VOL Down | Vol Down | Vol Down |
| 14 | CH Up | Ch Up | Ch Up |
| 15 | CH Down | Ch Down | Ch Down |
| 16 | Up/Pause | Pause | Up/Fine + |
| 17 | Down/Stop | Stop | Down/Fine - |
| 18 | Right/F.F. | Fast Forward | Right/Fine R |
| 19 | Left/Rew | Rewind | Left/Fine L |
| 20 | Sel/Play | Play | Select |
| 21 | Guide/I<< | F. Adv./Slow< | Guide/Recall |
| 22 | Menu/>>I | X2/Intro/Slow> | Menu |
| 23 | Exit/Rec | Record | Exit |
| 24 | Pre. Ch./Eject | Eject | Prev. Ch |
| 25-34 | 1—0 | 1—0 | 1—0 |
| 35 | 10+ | 1—100 | */Help |
| 36 | Enter/Shift | Enter | Enter/Memory |
| 37 | Fav/Sleep | Program | Fav |
| 38 | Info/Pro. L. | Display | Info |
| 39 | Next/3 Ch. | C-Counter | PPV/Buy |
| 40 | Alt/Test | Reset | P/Delete |
| 41 | Tuner | Auto Ch | Page - |
| 42 | CD | Add + | Page + |
| 43 | Tape 1 | Delete - | Day - |
| 44 | Tape 2 | Tape Speed | Day + |
| 45 | Phono | VCR Plus | Record |
| 46 | VCR1 | Tracking + | |
| 47 | VCR2/SAT | Tracking - | |
| 48 | LD/DVD | Auto Tracking | |
| 49 | Aux | Slow - | |
| 50 | TV | Slow + | |
| 51 | M1 | Index | |
| 52 | M2 | QTR On | |
| 53 | M3 | QTR Off | |
| 54 | M4 | Edit | |
| 55 | Light | | |

Using Your Remote

Function Table

| No. | Button Name | CD Functions | DVD Functions | AUX Functions |
|-------|----------------|----------------|---------------|---------------|
| 1-8 | Device Name | CD (ON) | DVD (ON) | TAPE (ON) |
| 9 | Power | On/Off (OFF) | On/Off (OFF) | On/Off (OFF) |
| 10 | Mute | Mute/Fader | | Mute/Rec Mute |
| 11 | T/V Input | Random | | |
| 12 | VOL Up | Vol Up | | |
| 13 | VOL Down | Vol Down | | |
| 14 | CH Up | Track +/Skip + | Skip >>I | |
| 15 | CH Down | Track-/Skip - | Skip I<< | |
| 16 | Up/Pause | Pause | Pause | Pause |
| 17 | Down/Stop | Stop | Stop | Stop |
| 18 | Right/F.F. | FF/Search + | F.F. | F.F. |
| 19 | Left/Rew | REW/Search - | REW | REW |
| 20 | Sel/Play | Play | Play | Play |
| 21 | Guide/I<< | Search - | Set Up | Deck A |
| 22 | Menu/>>I | Search + | Menu | Deck B |
| 23 | Exit/Rec | | Clear | Record |
| 24 | Pre. Ch./Eject | Eject/Intro | Open/Close | Rev. Play |
| 25-34 | 1—0 | 1—0 | 1—0 | |
| 35 | 10+ | Plus 10 | 10+ | Deck A |
| 36 | Enter/Shift | Disc | Enter | Deck B |
| 37 | Fav/Sleep | Program | Return | |
| 38 | Info/Pro. L. | Display | Display | |
| 39 | Next/3 Ch. | Repeat | Sub. On/Off | |
| 40 | Alt/Test | Clear | Audio | |
| 41 | Tuner | Disc 1 | Up | REW |
| 42 | CD | Disc 2 | Down | For. Play |
| 43 | Tape 1 | Disc 3 | Select | F.F. |
| 44 | Tape 2 | Disc 4 | Angle | Stop |
| 45 | Phono | Disc 5 | Slow | REV. Play |
| 46 | VCR1 | A-B | Left | Pause |
| 47 | VCR2/SAT | Time | Right | Record |
| 48 | LD/DVD | Intro | Subtitle | |
| 49 | Aux | Edit | Repeat | |
| 50 | TV | | Random | |
| 51 | M1 | | A/B Repeat | |
| 52 | M2 | | T | |
| 53 | M3 | | Title | |
| 54 | M4 | | Memory | |
| 55 | Light | | | |

Using Your Remote

B: Preprogrammed Set Up

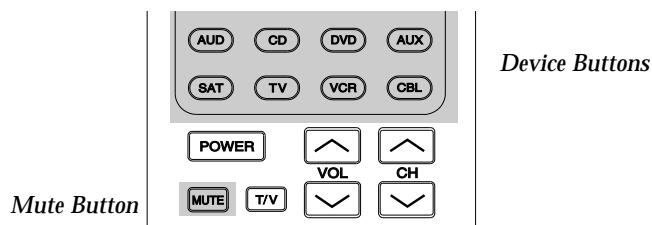
The **Home Theater Master** universal remote control can operate up to eight separate audio and video devices (**equipment**). To program the remote control for your devices, please use the following steps:

Three Digit Code Method

- 1 Turn on the device you would like the remote control to operate, either manually or with your original remote control.
- 2 Find the three digit *Set-Up Code* number for your device from the tables on pages (39 - 57).

Example: To set up the remote to operate with a SONY TV, go to the TV Set-Up Code table found on pages (43 - 45) and look for SONY under the Manufacturer/Brand column. You will find that the Set-Up Code numbers for SONY TVs are 070, 085, 139 and 147.

- 3 Press the corresponding *Device Button* (TV, VCR, SAT, CBL, AUD, CD, DVD, or AUX) and the *MUTE* button on the remote control simultaneously. **SET** will appear in the LCD.



Example: To set-up the remote to operate a TV, press the *TV Device Button* and the *Mute button*, simultaneously.

Using Your Remote

Note: *SET appears in the LCD for 20 seconds to indicate that the remote control is ready to be programmed. The following steps must be entered while SET appears in the LCD.*

- 4** Point the remote control toward the device that was turned on in Step 1 and press in the first three-digit *Set-Up Code* number for that device using the number buttons (0-9) on the remote control. **SET** followed by the number will appear in the LCD.

Your device will turn off when the correct *Set-Up Code* number has been selected. If the device does not turn off, press in the next *Set-Up Code* number from the listing. Continue to select *Set-Up Code* numbers until your device turns off, before you proceed to Step 5.

Note: *If you have tried all of the three digit Set-Up Code numbers listed for your device and it still did not turn off, please proceed to the Auto Search Method on page (10) to program your remote control.*

- 5** Once your device turns off, press the *Device Button* selected in Step 3 once again to store the *Set-Up Code* number. **PASS** will flash in the LCD.
- 6** Test the remote control for your device. Try the **POWER**, **CHANNEL UP AND DOWN**, **VOLUME UP AND DOWN** buttons, etc. If any of the buttons do not perform as they should, please repeat the set-up from Step 1 using the next *Set-Up Code* number for your device.

Note: *Some audio/video devices have separate buttons for POWER ON and POWER OFF. To operate these devices on the remote, press the corresponding DEVICE Button to turn the equipment ON and press the POWER button to turn the equipment OFF.*

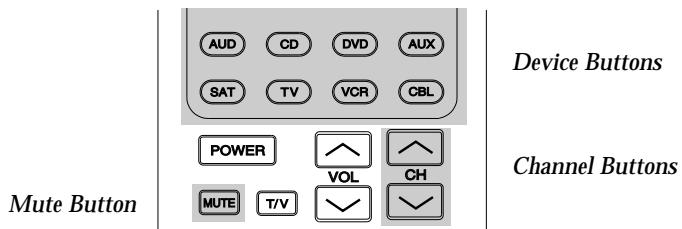
- 7** Please repeat the above steps to program the remote control for each of your other devices.

Using Your Remote

Auto Search Method

Please use this method if none of the *Set-Up Code* numbers worked for your device during the standard set-up procedure or if the manufacturer or brand for your device is not listed in *Set-Up Code Tables*.

- 1** Turn on the device you would like the remote control to operate, either manually or with your original remote control.
- 2** Press the corresponding *Device Button* (TV, VCR, SAT, CBL, AUD, CD, DVD, or AUX) and the *MUTE* button, simultaneously. **SET** will appear in the LCD.



Note: *SET* appears in the LCD for 20 seconds to indicate that the remote control is ready to be programmed. The following steps must be entered while *SET* appears in the LCD.

- 3** Point the remote control toward the device and press the *CHANNEL UP* button on the remote control. Each button press sends the signal for one *Set-Up Code* number. Keeping the *CHANNEL UP* button pressed produces a quick scanning of the *Set-Up Code* numbers.
Release the *CHANNEL UP* button as soon as the device turns off. Please confirm that you have the correct code by pressing the *MUTE* button on the remote. You should be able to turn your device on and off with this button.

Using Your Remote

If you pass the correct Set-Up Code number, you can return to it by pressing the CHANNEL DOWN button, one Set-Up Code number at a time, until your device turns back on.

Note: During programming, the signal for POWER ON and POWER OFF is located on the MUTE button. For devices that use separate POWER ON and POWER OFF buttons, pressing the MUTE button on the remote control during programming will only turn the device OFF.

4 Once the correct code is confirmed, press the Device Button to store the Set-Up Code number. PASS will appear in the LCD.

5 Test the remote control for your device. Try the POWER, CHANNEL UP AND DOWN, VOLUME UP AND DOWN buttons, etc. If any of the buttons do not perform as they should, please repeat the set-up from Step 1 using the next Set-Up Code number for your device.

Note: Some audio/video devices have separate buttons for POWER ON and POWER OFF. To operate these devices on the remote, press the corresponding DEVICE Button to turn the equipment ON and press the POWER button to turn the equipment OFF.

6 Please repeat the above steps to program the remote control for each of your other devices.

Using Your Remote

Recalling the Set-Up Code Number

To display the three digit *Set-Up Code* number that was stored for a device.

- 1** Press the *Device Button* and the *MUTE* button, simultaneously. **SET** will appear in the LCD.
- 2** Press the *T/V* button. The LCD will quickly flash the three digit *Set-Up Code* number that was stored for your device in that mode.
- 3** Please write your *Set-Up Code* numbers in the chart below, for future reference.

Set-Up Code Numbers:

Audio

| | | |
|--|--|--|
| | | |
|--|--|--|

Cable

| | | |
|--|--|--|
| | | |
|--|--|--|

SAT

| | | |
|--|--|--|
| | | |
|--|--|--|

CD

| | | |
|--|--|--|
| | | |
|--|--|--|

TV

| | | |
|--|--|--|
| | | |
|--|--|--|

DVD

| | | |
|--|--|--|
| | | |
|--|--|--|

VCR

| | | |
|--|--|--|
| | | |
|--|--|--|

AUX

| | | |
|--|--|--|
| | | |
|--|--|--|

Using Your Remote

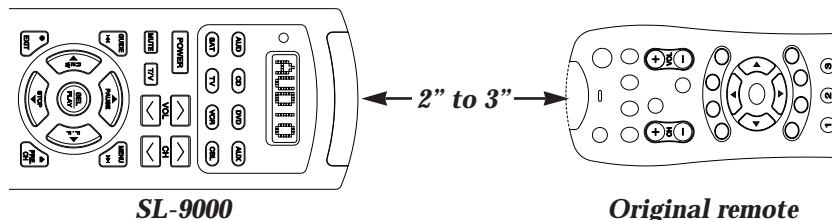
C: Learning Set Up

The **Home Theater Master SL-9000** has the ability to learn new functions from your original remote controls:

- There are 8 “pages” of learning with each page corresponding to the 8 Device modes on the remote control: AUDIO, CD, DVD, AUX, SAT, TV, VCR, CBL.
- All buttons in all Device modes can learn, except the LIGHT button.
- Learned functions override any existing preprogrammed functions on the remote control.
- Learned functions are automatically erased when a new function is learned on the same button.
- Learned functions are retained even after a different three digit code number is programmed into the remote control.
- To erase a learned function and return to an original preprogrammed function, please refer to the section Erasing Learned Functions (page 17).

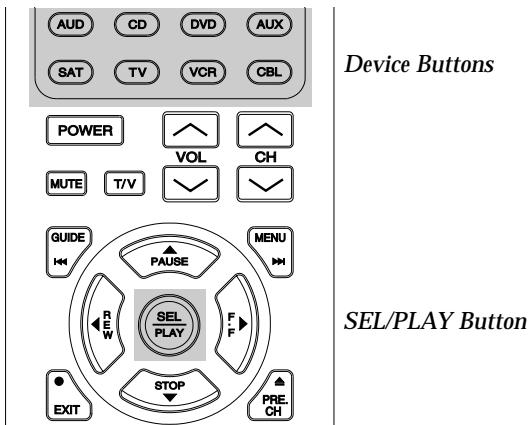
Learning New Functions on the Main Keypad

- 1 Select the mode in which you wish to learn the new function by pressing the corresponding Device button.
- 2 Place the **SL-9000** and the original remote control to be learned from, on a flat surface. Line up the remote controls head to head, about 2 to 3 inches apart.



Using Your Remote

- 3** Press and hold both the Device button selected in Step 1 and the SEL/PLAY button for about three seconds, until the LCD on the **SL-9000** shows **LEARN**. The **SL-9000** is now in the learning mode.



Note: Each of the following steps must be completed within 20 seconds. If the remote does not receive any new commands within the allotted time, it will return to its normal operating mode.

- 4** Press and release a button on the **SL-9000** you have selected to learn the new function. The LCD will show **READY**.
- 5** Press and hold the button on the original remote control for about 3 seconds from which you are learning the new function. The LCD on the **SL-9000** will show - - - - indicating that it is receiving the information from the original remote control.
- 6** Release the button on the original remote control. The LCD on the **SL-9000** will show **RETRY**.
- 7** Press and hold the same button on the original remote once again, for about 3 seconds. The LCD on the **SL-9000** will flash **GOOD**, the **Device Mode** and then return to **LEARN**, verifying that the new function has been learned.

Using Your Remote

Repeat Steps 4 through 7 for any other buttons you wish to learn new functions.

8 Once you have completed the learning for all the desired buttons in a Device mode, store the learned functions by pressing the Device and SEL/PLAY buttons simultaneously, once again. The LCD in the **SL-9000** will show **SAVED** and then return to the **Device Mode**. The remote has now returned to the original operating mode.

Once you have stored the learned functions, test the buttons that have been taught. If any of the buttons do not operate as they should, please repeat from Step 1 for those buttons.

*Note: If the LCD shows **FAIL** at any time during the learning process, the **SL-9000** was unable to learn the new functions. Please repeat from Step 4. If the **SL-9000** continues to show **FAIL** during the learning process, please try the following suggestions:*

- * Increase or decrease the head to head distance between the two remote controls, within a 1 to 5 inch range.
- * Increase or decrease the time you press and hold the button on the original remote control in step 5, for 1 to 2 seconds.
- * Avoid fluorescent lights or strong sunlight during the set up. These lighting conditions can cause interference with the learning process.
- * Verify that the original remote control contains fresh batteries.

Some remote controls operate at non-standard IR, UHF or ultrasonic frequencies, and are unable to be learned. If you continue to experience difficulty during set up, please contact our customer service department for assistance.

Using Your Remote

Learning New Functions on Device Buttons

The eight *Device buttons* at the top of the remote control can also learn new functions. These buttons can only learn when the SL-9000 remote is in the corresponding *Device mode*, e.g. AUDIO, VCR, TV etc.

- 1** Place the SL-9000, and the original remote control to be learned from, on a flat surface. Line up the remote controls head-to-head about 2 to 3 inches apart.
- 2** Press the corresponding *Device button* so the Device name appears in the LCD. E.g. AUDIO, VCR, TV etc.
- 3** Press and hold the *Device button* and SEL/PLAY buttons simultaneously, until LEARN appears in the LCD. The SL-9000 is now ready to learn.

Note: Each of the following steps must be completed within 20 seconds. If the remote does not receive any commands within this allotted time, it will return to its normal operating mode.

- 4** Press the Device button selected in Step 2. once again. READY will appear in the LCD
- 5** Press and hold the button on the original control you would like to teach into the SL-9000 for about three seconds. (---) will appear in the LCD.
- 6** Release the button on the original remote. RETRY will appear in the LCD.
- 7** Press and hold the same button on the original remote, once again. The LCD on the SL-9000 will flash GOOD, the DEVICE Mode and then return to LEARN, verifying that the new function has been learned.

Using Your Remote

- 8** Press and hold the DEVICE button and the SEL/PLAY button simultaneously, once again. **SAVED** will flash three times in the LCD and return to the **DEVICE** mode, indicating that the programming has been stored.

Erasing Learned Functions

To erase learned functions, please refer to the following procedures:

Erasing Individual Buttons:

- 1** Press the Device button for the mode where the learned function has been stored.
- 2** Press and hold the Device and the SEL/PLAY buttons simultaneously, for about 3 seconds, until the LCD shows **LEARN**.
- 3** Press and release the button to be erased. The LCD will show **READY**.
- 4** Press the LIGHT button. The LCD will flash **ERASE**, **CLEAR**, the **Device Mode** and then return to **LEARN**.

Repeat Steps 3 and 4 for any other buttons to be erased.

- 5** To return to the normal operating mode, press the Device and the SEL/PLAY buttons simultaneously.

The learned functions on the selected buttons have now been erased. The preprogrammed functions for these buttons will now operate on the remote control.

Using Your Remote

Erasing All Buttons in One Device Mode:

- 1** Press the Device button for the mode to be erased.
- 2** Press and hold the Device and SEL/PLAY buttons simultaneously, for about 3 seconds, until the LCD shows **LEARN**.
- 3** Press and hold the Device and LIGHT buttons simultaneously for approximately five seconds and then release the buttons. The LCD will flash **ERASE** and then alternately **CLEAR** and the **Device Mode**.

Note: When the LCD on the remote returns to the **Device Mode**, all the learned functions in the selected Device mode have been erased. All the buttons in that Device mode will now operate with the preprogrammed functions in that mode.

Erasing All Buttons in All Device Modes

- 1** Press and hold the TV Device Button and the LIGHT button simultaneously, for approximately ten seconds. The LCD will flash **ERASE** ten times, flash **CLEAR** and then return to the TV mode.

When the LCD on the remote returns to **TV**, all the learned functions in all eight Device modes have been erased. All the buttons in all Device modes will now operate with the preprogrammed functions in their respective modes.

Using Your Remote

D: Operation

After you have programmed the remote control for your equipment, use the following procedures to operate your home entertainment system:

- 1** Press the *Device Button* that you wish to operate: e.g. to operate a TV, press the TV *Device Button*; to operate a VCR, press the VCR *Device Button*, etc.
- 2** Aim the remote control at the device and press the **POWER** button to turn on the device.
- 3** Press the buttons that send out the commands you desire.

Note: Some audio/video devices have separate buttons for **POWER ON** and **POWER OFF**. To operate these devices on the remote, press the corresponding **DEVICE Button** to turn the equipment **ON** and press the **POWER** button to turn the equipment **OFF**.

Please try all the functions of this remote control with your equipment. The most common functions are labeled on the remote. However, some of the secondary functions might be stored under a button that has a different name from the one on your original remote control. Please refer to the Function Tables on pages (5 - 7) for details.

Using Your Remote

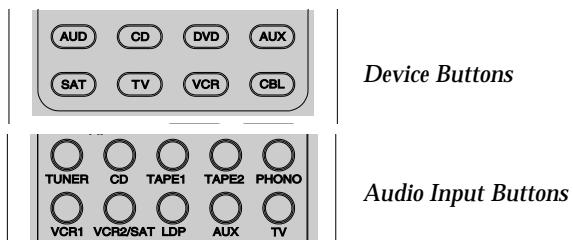
Device Buttons

Any press of a *Device button* at the top of the remote control can perform the following functions:

- 1 Changes the *Device mode* on the SL-9000 remote control.
- 2 Sends out a preprogrammed POWER ON command for a Device, if applicable.
- 3 Sends out a *learned and/or joined* selection.
- 4 Toggles between the Main Device mode and the Automatic Audio mode if the Automatic Audio Mode is active.

Joining to Device Buttons

The 10 preprogrammed Audio input selects and the keypad buttons 0-9 found on the SL-9000 in the *AUDIO Device mode* can be *joined* to individual *Device buttons*. Once joined, any press of the *Device button* will also emit the *joined* command.



Setting Up:

- 1 Press the AUDIO and ENTER buttons simultaneously on the remote control. JOIN will appear in the LCD.
- 2 Press the *Device button* that you would like to assign a joined function. CLEAR will flash and INPUT will then appear in the LCD.
- 3 Select a button to be *joined* from the remote control, e.g., VCR1, VCR2, CD, etc. or 1, 1, 2 etc.). The LCD will display IN_XX indicating the Audio input selected (IN_V1, IN_V2, IN_CD, etc. or IN_0, IN_1, IN_2 etc.) and then JOIN.

Using Your Remote

- 4** Press the ENTER button. **SAVE** will flash twice and the LCD will return to **AUDIO** indicating that the *joined* function has been stored.

Every time that the *Device button* is pressed it will also emit the *joined* function.

To erase a *joined* function from a *Device button*:

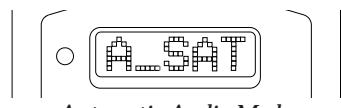
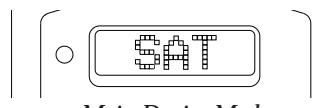
- 1** Press the **AUDIO** and **ENTER** buttons simultaneously on the remote control. **JOIN** will appear in the LCD.
- 2** Press the *Device button* that you would like to erase a *joined* function. **CLEAR** will flash and **INPUT** will then appear in the LCD.
- 3** Press the **ENTER** button. The LCD will flash **SAVE** twice and return to **AUDIO** indicating that the *join* has been erased.

Main Device Mode

When the main device is displayed in the LCD, the SL-9000 will perform all of the preprogrammed, joined, learned and punch through features for that device mode.

Automatic Audio Mode

The remote is defaulted to the Automatic Audio. When the remote control is in this mode, pressing a *Device button* a second time will display **A_XXX** in the LCD indicating that the Volume and Mute controls of the device programmed into the Audio mode of the SL-9000 is active, while full function control of all other buttons of the current *Device mode* is maintained.



Using Your Remote

No IR commands are emitted during the second press of a *Device button* when the remote is in the Automatic Audio mode. Pressing the *Device button* again will return the remote to the Main Device Mode.

To Delete the Automatic Audio for a *Device mode*:

- 1** Press and hold the AUDIO *Device button* and the LIGHT button simultaneously. A_SET will appear in the LCD.
- 2** Press the *Device button* corresponding to the *Device mode* to be deleted for Automatic Audio. E.g. VCR, CD etc. A_OFF will appear in the LCD indicating the deleted status of the automatic Audio mode for the *Device mode*.
- 3** Press the ENTER button to store the programming. SAVE will flash in the LCD and then return to **AUDIO**.

To Return to Automatic Audio for a *Device mode*:

- 1** Press and hold the AUDIO *Device button* and the LIGHT button simultaneously. A_SET will appear in the LCD.
- 2** Press the *Device button* corresponding to the *Device mode* to be added for Automatic Audio. E.g. VCR, CD etc. A_ON will appear in the LCD indicating the active status of the Automatic Audio mode for the *Device mode*.
- 3** Press ENTER to store the programming. SAVE will flash in the LCD and then return to **AUDIO**.

Backlighting

All the buttons and the LCD on the **SL-9000** are back-lit for 7 seconds when the *LIGHT* button is pressed. The backlight is extended an additional 7 seconds with any button press while the backlight is on.

Advanced Features

After you set-up the remote control to operate your equipment, you can also program advanced features on the remote control. The advanced features are designed to enhance the use of the remote control with your home entertainment system.

A: Punch Throughs

Volume Control “Punch Through”

You can program the remote control so that either the **AUDIO or TV Volume Control (VOLUME UP, DOWN AND MUTE)** will also operate in other modes on the remote control.

Example: Raise, lower and mute the **VOLUME** of your Audio receiver while the remote control is in the Satellite mode.

Note: When this feature is active, the **AUDIO or TV VOLUME and MUTE** will override any existing volume controls in that mode.

To Set-Up:

- 1** Select the mode that you wish to program for *Volume Control “Punch Through.”*
- 2** Press the corresponding *Device Button* and the *MUTE* button simultaneously. **SET** will appear in the LCD.
- 3** Press the *VOLUME UP* button. **PUNCH** will appear in the LCD.
- 4** Press either the *AUDIO Device Button* to set-up for *Audio Volume Control* or the *TV Device Button* to set-up for *TV Volume Control*. **AUDIO** or **TV** will flash in the LCD, depending on which *Device Button* was selected.
AUDIO or TV Volume Control will now override the original **VOLUME and MUTE** in this mode.

Advanced Features

To Return to the Original Setting:

- 1** Select the mode that you want to turn off the *Volume Control “Punch Through.”*
- 2** Press the corresponding *Device Button* and the *MUTE* button simultaneously. **SET** will appear in the LCD.
- 3** Press the *VOLUME UP* button. **PUNCH** will appear in the LCD.
- 4** Press the *Device Button* again. The **DEVICE Mode** will flash in the LCD.

The **AUDIO or TV Volume Control “Punch Through”** is now turned off. The **VOLUME** and **MUTE** of the original device will operate on the remote control.

Channel Control “Punch Through”

You can program the remote so that either the **SAT or Cable Channel Controls (CHANNEL UP and DOWN)** will also operate in other modes on the remote control.

Example: Change *CHANNELS UP and DOWN* on your cable box while the remote is in the TV mode.

Note: When this feature is active, **SAT or Cable CHANNEL UP and DOWN** will override any existing channel controls in that mode.

To Set-Up:

- 1** Select the mode that you wish to program for *Channel Control “Punch Through.”*
- 2** Press the corresponding *Device Button* and the *MUTE* button simultaneously. **SET** will appear in the LCD.
- 3** Press the *VOLUME DOWN* button. **PUNCH** will appear in the LCD.

Advanced Features

- 4** Press either the *SAT Device Button* to set-up for *SAT Channel Control* or the *CBL Device Button* to set-up for *Cable Channel Control*. Either **SAT** or **CBL** will flash in the LCD, depending on the *Device Button* selected.
SAT or Cable Channel Controls will now override the original **CHANNEL UP and DOWN** in this mode.

To Return to the Original Setting:

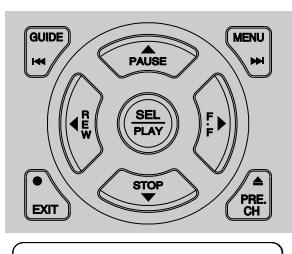
- 1** Select the mode that you want to turn off the *Channel Control “Punch Through”*.
- 2** Press the corresponding *Device Button* and the *MUTE* button, simultaneously. **SET** will appear in the LCD.
- 3** Press the *VOLUME DOWN* button. **PUNCH** will appear in the LCD.
- 4** Press the same *Device Button* again. The **DEVICE Mode** will flash in the LCD.

The **SAT or Cable Channel Control “Punch Through”** is now turned off. The **CHANNEL UP and DOWN** of the original device will now operate on the remote control.

Advanced Features

Transport Control “Punch Through”

You can set-up your remote control so that *VCR or CD Transport Controls (PLAY, STOP, FAST FORWARD, REWIND, PAUSE, and RECORD)* will also operate in other modes on the remote control.



Transport Controls

Example: Control VCR functions while operating the remote control in the TV mode.

Note: When this feature is active, the *VCR or CD functions (PLAY, STOP, FAST FORWARD, REWIND, PAUSE, and RECORD)* will override any existing functions pre-assigned to these buttons in that mode.

To Set-Up:

- 1** Select the mode into which you want to program *Transport Control “Punch Through.”*
- 2** Press the corresponding *Device Button* and the *MUTE* button simultaneously. **SET** will appear in the LCD.
- 3** Press the *SELECT/PLAY* button. **PUNCH** will appear in the LCD.
- 4** Press either the *VCR Device Button* to set-up for *VCR Transport Control* or the *CD Device Button* to set-up for *CD Transport Control*. **VCR** or **CD** will flash in the LCD, depending on the *Device Button* selected.

Advanced Features

The VCR or CD Transport Controls (PLAY, STOP, FAST FORWARD, REWIND, PAUSE, and RECORD) will now override the original functions of the buttons in this mode.

To Return to the Original Setting:

- 1** Select the mode that you want to turn off the *Transport Control “Punch Through.”*
- 2** Press the corresponding *Device Button* and the *MUTE* button simultaneously. **SET** will appear in the LCD.
- 3** Press the *SELECT/PLAY* button. **PUNCH** will appear in the LCD.
- 4** Press the *Device Button* again. The **Device Mode** will flash in the LCD.

The VCR or CD Transport Control “Punch Through” feature is now turned off. The original functions assigned to these buttons are restored.

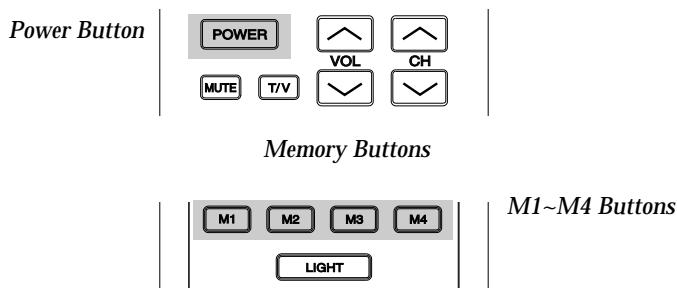
Advanced Features

B: Memory Buttons

There are five memory buttons (M1~M4, Power) that are designed to store up to 15 commands in each button. Pressing any one of the memory button will send out the series of commands that are stored in the button.

You can either turn on or off up to eight devices by storing Power on/off commands or use it to select the favorite channels by storing channel numbers into the button. You can also combine Power on/off, select favorite channel and any of the features in the remote control to these buttons.

You can program any of the memory buttons (M1~M4, Power) in AUD mode and it will send out the stored commands in **Audio, CD, DVD and AUX modes**. You can also program the memory buttons in SAT mode and it will send out the stored commands in **Satellite, TV, VCR and CBL modes**.



Advanced Features

- **Macro Commands:**

Memory Buttons can store and emit up 15 commands including multiple Power On/Off sequences.

Example: In the Audio mode, the *POWER Memory Button* can be programmed to turn on the TV, turn on the Audio receiver, turn on the VCR and turn on the Satellite receiver with one button push.

Note: The *MUTE* buttons is used to designate *POWER* commands during *Memory Button* programming. See the Example: *Memory Button Programming* for further description.

- **Favorite Channels:**

Memory Buttons can provide direct access to your channels with one button push.

Example: In the SAT device mode each of the *Memory Buttons M1, M2, M3, M4* can provide direct access to a different satellite channel by sending out the three digit channel number for that channel to your satellite receiver with one button push.

Advanced Features

Programming Memory Buttons:

- 1** Select the section that you wish to program the *Memory Button* in by pressing the corresponding *Device Button* (AUD, or SAT) and *MUTE* button, simultaneously. **SET** will appear in the LCD.
- 2** Press one of the *Memory Buttons* (M1, M2, M3, M4, or POWER) into which you wish to store the functions. **M(1-5)_# #** will appear in the LCD.
- 3** Press in up to fifteen commands that you want stored in that Memory button. Each successive button selection will appear as **M(1-5)_(01-15)** in the LCD.
You can select functions from another mode by first pressing the corresponding *Device Button* and then the buttons where those functions are located in that mode. The pressing a *Device Button* also counts as one command.

Note: Each insertion of a *Device Button* adds a 1/2 second delay to the command sequence.

- 4** Press the *CHANNEL UP* button to store your selections. **SAVE** will flash three times in the LCD to confirm the programming.

Note: It can take up to 15 seconds to send out 15 commands from a memory button. Please continue to point the remote control at the device(s) until all the commands on the Memory Button have been sent out. This will ensure that all the commands are received by the device(s).

Example: Memory Button Programming.

To program *Memory Button M2* in the Audio mode to send the following commands: turn on the Audio receiver, turn on the TV, turn on the VCR, and turn on the satellite receiver.

Advanced Features

- 1** Press the *Audio Device Button* and the *MUTE* button simultaneously. **SET** will appear in the LCD.
- 2** Press *Memory Button M2*. **M2_# #** will appear in the LCD.
- 3** Press the *MUTE* button (to turn on the Audio receiver)
M2_01 will appear in the LCD.
Press the *TV Device Button* (to change to the TV mode)
M2_02 will appear in the LCD.
Press the *MUTE* button (to turn on the TV)
M2_03 will appear in the LCD.
Press the *VCR Device Button* (to change to the VCR mode)
M2_04 will appear in the LCD.
Press the *MUTE* button (to turn on the VCR)
M2_05 will appear in the LCD.
Press the *SAT Device Button* (to change to SAT mode)
M2_06 will appear in the LCD.
Press the *MUTE* button (to turn on the Satellite receiver)
M2_07 will appear in the LCD.
*Power On/Off is located on the *MUTE* button during the programming mode.
- 4** Press the *CHANNEL UP* button. **SAVE** will flash in the LCD, and the remote will return to the **AUDIO** mode.

Erasing Memory Buttons

- 1** Select the mode (AUD or SAT) in which you want to erase the *Memory Button*.
- 2** Press the corresponding *Device Button* (AUD or SAT) and *MUTE* button, simultaneously. **SET** will appear in the LCD. Press the *Memory Button* to be erased. **M(1-5)_# #** will appear in the LCD.
- 3** Press the *CHANNEL UP* button. **SAVE** will flash in the LCD. The *Memory Button* is now erased.

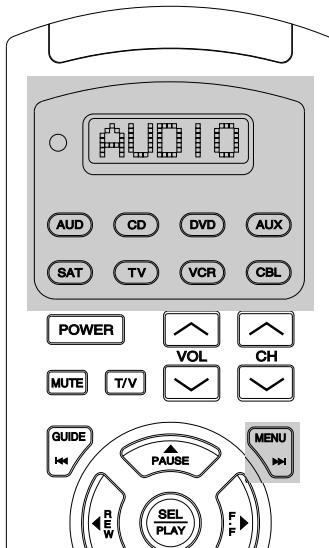
Note: Any previously stored commands on a *Memory Button* will be erased when new commands are stored on the same *Memory Button*.

Using Your Remote

C. Changing the LCD Display

Twenty-seven different LCD displays can be selected for each Device mode of the remote control. To select an alternate LCD display, please use the following procedure:

- 1** Press and hold the Device button for which you would like to change the LCD setting.
- 2** While pressing the Device button, press and release the MENU button. Each time the MENU button is pressed, the LCD will show one of twenty-seven displays.
- 3** Release the Device button when you find the new LCD display you wish to assign to the Device mode.



Choice of LCD Displays

| | | | | | |
|-------|-------|-------|-------|-------|------|
| TV | VCR | CABLE | SAT | AUDIO | CD |
| DVD | AUX | TV2 | VCR2 | TUNER | AMP1 |
| AMP2 | TAPE1 | TAPE2 | WEBTV | SURR | DAT |
| PROJE | AUX2 | LD | AUD2 | LIGHT | DSS |
| AV | TAPE | DAB | | | |

Advanced Features

LCD Displays in the Automatic Audio Mode

| | | | | | |
|-------|--------|--------|-------|-------|-------|
| A_TV | A_VCR | A_CAB | A_SAT | AUDIO | A_CD |
| A_DVD | A_AUX | A_TV2 | A_VC2 | A_TUN | A_AM1 |
| A_AM2 | A_TAP1 | A_TAP2 | A_WEB | A_SUR | A_DAT |
| A_PRJ | A_AX2 | A_LD | A_A2 | A_LIT | A_DSS |
| A_AV | A_TAP | A_DAB | | | |

D: Programming a Second TV, VCR, etc. to Other Device Buttons.

This feature is used to program the remote control for two or more TVs, VCRs, etc., or to program a device into a mode with a different *Device Button* name. You can store the three-digit *Set-Up Code* number for any device into any other unused *Device Button*.

Example: If your home entertainment system contains two VCRs. First, using the *VCR Device* button, program the remote via standard set-up to operate the first VCR. Then, program your second VCR into a *Device Button* that is not being used, e.g., *AUX* using this method.

- 1** Turn on the device.
- 2** On the remote control, press the *Device Button* that you will assign for the device and the *MUTE* button, simultaneously. **SET** will appear in the LCD.
- 3** Press the *Device Button* that corresponds to the original device. **SET** will still appear in the LCD.
- 4** Locate the *Set-Up Code* number for the device from the tables found on pages (39 - 57).
- 5** Point the remote toward the device and press in the first *Set-Up Code* number. **SET**, followed by the *Set-Up Code* number will appear in the LCD.

Advanced Features

Your device will turn off when the correct *Set-Up Code* number has been selected. If it does not turn off, select the next *Set-Up Code* number from the table, and press in that code number. When your device turns off, proceed to Step 6.

- 6** Press the *Device Button* that was selected in Step 2. to store the *Set-Up Code* number. **PASS** will flash in the LCD to confirm the programming.

The second device can now be operated by pressing the assigned *Device Button* and using the buttons within this mode.

Warranty

The **Home Theater Master SL-9000** remote control comes with a one-year warranty from the date of purchase.

Specifications

Model

SL-9000, infrared remote control.

Power

Four 1.5 V AAA Batteries.

Dimensions (h/w/d)

8.88 x 2.5 x 1.25 inches

Weight

6.5 oz. (with batteries)

Glossary

Cursor Control

Buttons that correspond to the UP, DOWN, LEFT, RIGHT, SELECT, GUIDE, MENU and EXIT functions of your audio/video equipment.

Device

Audio or video equipment, e.g. Television, VCR, Cable box, Audio receiver, Satellite receiver, etc.

Device Button

Any of the eight buttons located at the top of the remote control labeled AUD, CD, DVD, AUX, SAT, TV, VCR and CBL. *Device Buttons* are used to select modes of operation and to program the remote control.

Joining

Transfer of a function from the AUDIO input selects and keypad(0-9) on the SL-9000 to a Device button at the top of the remote control

Learning

Transfer of a function from a button of an original remote control to a button on the **SL-9000** remote control.

LCD

Liquid crystal display window located at the top of the remote control. During normal operation the LCD indicates the mode. The LCD also indicates the remote's programming status.

Memory Buttons

Buttons labeled M1, M2, M3, M4, and POWER. These buttons can be programmed to store Favorite Channels, Macro Commands, or to "relocate" functions from one mode to another.

Modes

Modes correspond to *Device Button* selections. Modes are displayed in the LCD as AUDIO, CD, DVD, AUX, SAT, TV, VCR and CABLE. Modes indicate the type of device the remote control is currently operating.

Glossary

Punch Through

Advanced feature that enables you to operate Volume, Channel or Transport Control functions of one device while in another mode.

Example: Audio Volume Control “Punch Through” gives you the ability to raise, lower and mute your Audio receiver volume while operating the remote control in the TV mode.

Set-Up Code Number

The three-digit number that is used to program the remote control for your particular manufacturer or brand of audio/video equipment. *Set-Up Code* numbers are located in tables in the appendix on pages 38 - 56 of the instruction manual. *Set-Up Code* numbers are categorized by type of device, e.g. TV, VCR, Audio, CD, DVD, Cable, AUX and Satellite.

More than one *Set-Up Code* number may work with your device. You should test the functions for each of the *Set-Up Code* numbers that work with your device to determine the best *Set-Up Code* number for your particular device.

Note: Some devices, such as CD players and DVD Decks that do not have **POWER** buttons on their original remote controls, may not shut off during programming. For these devices, it may be necessary to first store the *Set-Up Code* number and then test functions like PLAY, STOP, etc., to determine if the correct *Set-Up Code* number has been selected.

Transport Control

Buttons that correspond to the PLAY, STOP, REWIND, FAST FORWARD, PAUSE, SEARCH/SKIP and RECORD functions on your audio/video equipment.

Appendix

A: Assignment of Audio/Video Equipment

Please use the following listing to locate the correct *Set-Up Code Tables* for your equipment:

AUDIO Set-Up Code Table:
Audio Receivers, Preamplifiers, Surround Processors

Satellite Set-Up Code Table:
DSS, Primestar, DBS, Echostar, C Band receivers

TV Set-Up Code Table:
TVs, Monitors, Video/LCD Projectors

VCR Set-Up Code Table:
VCRs, TV/VCR combination units

CABLE Set-Up Code Table:
Cable Boxes, Internet/TV Set-Tops

CD Set-Up Code Table:
CD Players, CD Changers

DVD Set-Up Code Table:
DVD Players, Laser Disc

AUX Set-Up Code Table:
Cassette Tape Players, DAT systems, MiniDisc,
Switchers, Lighting, Home Control Devices,
and Line Doublers

Set-Up Code Tables

Audio

| Manufacturer/Brand | Set-Up Code Number |
|---------------------------|---|
| ADC | 007 |
| ADCOM | 082 092 225 161 269 |
| AIWA | 018 104 170 202 203 213 211 188 |
| AKAI | 138 189 |
| AMC | 125 126 127 128 258 |
| AMEND | 054 |
| AMX | 196 |
| ANGSTROM | 142 |
| ARCAM | 141 |
| AUDIO ACCESS | 147 |
| AUDIO ALCHEMY | 135 |
| AUDIO DESIGN | 194 221 011 |
| AUDIO EASE | 021 196 207 |
| AUDIO FILE | 071 |
| AUDIO MATRIX | 167 |
| AUDIO SOURCE | 273 |
| AUDIO TECHNICA | 134 |
| B & K | 096 097 |
| BOSE | 070 170 224 |
| BRYSTON | 023 |
| CARVER | 006 028 061 071 201 214 226 180 185 022 029 077 |
| CASIO | 076 |
| CHIRO | 140 |
| CINEMA SOUND | 034 134 |
| CITATION | 148 272 |
| CLARION | 026 |
| CURTIS MATHES | 076 |
| DENON | 002 034 109 215 229 230 027 037 234 259 |
| EIGER | 149 |
| ELAN | 057 |
| ENLIGHTENED AUDIO | 099 098 |
| FISHER | 047 214 180 182 |
| FOSGATE | 062 231 |
| GE | 056 260 |
| GOLDSTAR | 008 |
| HAFLER | 174 |
| HARMAN KARDON | 231 233 254 153 154 118 121 227 |
| HITACHI | 020 |
| INKEL | 197 |
| JBL | 263 |
| JCPENNY | 076 216 |

Set-Up Code Tables

Audio

| Manufacturer/Brand | Set-Up Code Number |
|---------------------------|--|
| JEFF ROWLAND | 206 |
| JENSEN | 058 |
| JVC | 240 163 191 114 266 |
| KENWOOD | 026 066 145 146 181 190 197 192 182 199 151 222 180 005 |
| KINERGETICS | 220 |
| KOSS | 216 |
| KRELL | 150 072 |
| KYOCERA | 007 |
| LEXICON | 120 235 236 237 |
| LINN | 124 |
| LUXMAN | 137 139 052 165 115 004 009 |
| LXI | 076 056 |
| MAGNAVOX | 086 164 152 208 |
| MARANTZ | 006 028 031 040 063 185 186 251 265 |
| MCINTOSH | 238 |
| MCS | 076 |
| MERIDIAN | 100 012 013 |
| MITSUBISHI | 242 243 204 |
| MONDIAL | 157 158 042 043 081 112 |
| NAD | 186 113 |
| NAKAMICHI | 111 244 245 172 183 |
| NEC | 176 |
| ONKYO | 017 046 064 107 108 187 079 080 090 179 209 270 |
| OPTIMUS | 026 041 138 |
| PANASONIC | 032 195 219 177 |
| PARASOUND | 129 130 132 261 |
| PHAST | 196 |
| PHILIPS | 249 250 251 063 |
| PIONEER | 014 033 039 044 045 050 069 159 168 116 035 078 198 |
| PROCEED | 144 268 |
| RCA | 010 048 117 156 067 |
| REALISTIC | 019 056 073 075 095 |
| REVOX | 162 |
| ROTEL | 074 083 085 |
| SAMSUNG | 016 |
| SANSUI | 040 048 110 119 065 228 |
| SANYO | 047 059 |
| SCOTT | 019 091 |
| SEARS | 076 |
| SHARP | 026 094 131 175 181 |

Set-Up Code Tables

Audio

| Manufacturer/Brand | Set-Up Code Number |
|---------------------------|---|
| SHERWOOD | 024 038 055 102 103 105 106 051 030 |
| SONY | 018 093 223 247 248 160 166 015 101 184 218 271 |
| SOUNDESIGN | 036 |
| SOUNDSTREAM | 084 088 |
| SSI | 068 |
| SUMO | 171 |
| TAEKWANG | 138 |
| TEAC | 005 019 049 111 212 217 |
| TECHNICS | 122 176 193 219 178 177 200 257 262 |
| THETA DIGITAL | 136 |
| TOSHIBA | 060 087 198 |
| WARDS | 180 |
| YAMAHA | 026 253 169 067 173 205 264 232 089 264 |
| ZENITH | 143 210 |

Set-Up Code Tables

Satellite

| Manufacturer/Brand | Set-Up Code Number |
|---------------------------|---|
| ALPHASTAR | 123 |
| AMPLICA | 050 |
| BIRDVIEW | 129 113 051 126 |
| BSR | 053 |
| CAPETRONICS | 053 |
| CHANNEL MASTER | 013 014 015 018 036 055 |
| CHAPARRAL | 008 009 012 077 |
| CITOH | 054 |
| CURTIS MATHES | 050 |
| DRAKE | 005 006 007 010 011 112 116 141 052 |
| DX ANTENNA | 024 046 056 076 |
| ECHOSTAR | 038 040 057 058 093 094 095 096 097 098 099 100 122 |
| ELECTROHOME | 089 |
| EUROSAT | 114 |
| FUJITSU | 017 021 022 027 133 134 |
| GENERAL ELECTRIC | 151 106 150 |
| GENERAL INSTRUMENT | 003 004 016 029 031 059 101 148 |
| HITACHI | 139 140 |
| HOME CABLE | 080 044 029 |
| HOUSTON TRACKER | 033 037 039 104 057 051 |
| HUGHES | 068 |
| HYTEK | 053 |
| HYUNDAI | 149 |
| ICR | 023 |
| JANIEL | 060 147 |
| KATHREIN | 108 |
| LEGEND | 057 |
| LUTRON | 132 |
| LUXOR | 144 062 |
| MACOM | 010 059 063 064 065 |
| MEMOREX | 057 |
| NEXTWAVE | 028 124 125 |
| NORSAT | 069 070 |
| PACE | 143 |
| PANASONIC | 142 060 |
| PANSAT | 121 |
| PERSONAL CABLE | 117 |
| PHILIPS | 071 152 153 |
| PL | 023 026 |
| PRESIDENT | 019 102 |
| PRIMESTAR | 110 030 |

Set-Up Code Tables

Satellite

| Manufacturer/Brand | Set-Up Code Number |
|---------------------------|--|
| PROSAT | 072 |
| PROSCAN | 151 106 150 |
| RCA | 151 106 150 |
| REALISTIC | 043 074 |
| SAMSUNG | 123 |
| SATELLITE SERVICE | 028 035 047 085 |
| SONY | 103 |
| STARCAST | 041 |
| SUPERGUIDE | 020 124 125 |
| TEECOM | 023 026 075 087 088 090 107 130 137 |
| TOSHIBA | 002 127 |
| TOWN & COUNTRY | 023 026 |
| UNIDEN | 016 025 042 043 044 045 048 049 078 079 080 086 101 135 136 |
| VIEWSTAR | 115 |
| WINEGARD | 128 146 |
| ZENITH | 081 082 083 084 091 120 |

Set-Up Code Tables

TV

| Manufacturer/Brand | Set-Up Code Number |
|---------------------------|--|
| ADMIRAL | 072 081 161 160 |
| AKAI | 197 146 |
| AMARK | 112 143 |
| AMPRO | 073 167 |
| AMSTRAD | 052 |
| ANAM | 043 054 056 080 112 131 |
| AOC | 197 004 112 058 |
| AUDIOVOX | 076 |
| BLAUPUNKT | 088 |
| CANDLE | 197 002 003 004 |
| CAPEHART | 058 |
| CETRONIC | 043 |
| CITIZEN | 197 002 003 004 043 101 103 143 |
| CLASSIC | 043 |
| CONCERTO | 004 |
| CONTEC | 043 050 051 |
| CORONADO | 143 |
| CRAIG | 043 054 |
| CROWN | 043 143 |
| CURTIS MATHES | 197 101 004 143 |
| CXC | 043 |
| DAEWOO | 004 016 043 044 076 103 114 125 127 143 |
| DAYTRON | 004 143 |
| DWIN | 177 |
| DYNASTY | 043 |
| DYNATECH | 062 |
| EIKI | 187 |
| ELECTROHOME | 024 076 143 196 |
| EMERSON | 197 004 005 028 043 047 048 050 051 076 096 143 151 153 154 155 |
| FISHER | 007 057 |
| FUJITSU | 198 |
| FUNAI | 028 043 |
| FUTURETECH | 043 |
| GE | 197 008 009 034 056 073 074 130 144 155 160 161 165 004 091 |
| GOLDSTAR | 004 102 106 112 113 116 119 127 143 |
| HALL MARK | 004 |
| HITACHI | 004 009 010 011 012 023 075 143 158 163 166 072 |
| INFINITY | 164 |
| JBL | 164 |

Set-Up Code Tables

TV

| Manufacturer/Brand | Set-Up Code Number |
|---------------------------|---|
| JCPENNY | 197 004 008 009 024 030 065 101 143 156 160 |
| JENSEN | 013 |
| JVC | 034 038 070 083 145 199 |
| KEC | 043 |
| KENWOOD | 197 070 |
| KLOSS | 002 059 |
| KMC | 143 |
| KTV | 197 043 143 154 |
| LOGINET | 072 |
| LOGIK | 072 |
| LUXMAN | 004 |
| LXI | 166 007 015 052 081 160 164 |
| MAGNAVOX | 197 003 004 022 059 060 061 063 064 127 160 164 094 |
| MARANTZ | 197 164 |
| MATSUI | 164 |
| MEMOREX | 007 072 004 |
| METZ | 088 |
| MGA | 197 004 024 028 042 |
| MINERVA | 088 |
| MITSUBISHI | 004 024 028 040 042 109 124 146 191 |
| MTC | 197 004 062 101 |
| NAD | 015 025 |
| NEC | 132 130 134 197 040 016 024 056 019 |
| NIKEI | 043 |
| ONKING | 043 |
| ONWA | 043 |
| OPTONICA | 019 081 |
| ORION | 096 |
| PANASONIC | 034 056 080 092 164 |
| PHILCO | 197 003 024 056 059 060 063 064 164 004 |
| PHILIPS | 197 003 004 005 038 059 093 164 127 |
| PIONEER | 197 018 023 025 116 135 190 |
| PORTLAND | 004 143 |
| PROSCAN | 144 160 161 165 167 |
| PROTON | 004 058 131 143 171 173 193 |
| QUASAR | 034 056 092 |
| RADIO SHACK | 019 043 143 004 127 |
| RCA | 160 161 165 065 156 144 197 004 023 024 056 074 152 |
| REALISTIC | 007 019 043 047 |
| ROCTEC | 186 |
| RUNCO | 168 169 178 179 180 181 182 183 |

Set-Up Code Tables

TV

| Manufacturer/Brand | Set-Up Code Number |
|---------------------------|--|
| SAMPO | 197 058 004 |
| SAMSUNG | 004 050 089 101 105 127 143 160 |
| SANYO | 166 007 020 053 057 082 187 |
| SCOTT | 004 028 043 048 143 |
| SEARS | 015 030 004 007 028 057 143 094 160 082 165 166 |
| SELECO | 189 |
| SHARP | 170 081 019 028 029 014 004 022 143 175 |
| SIEMENS | 088 |
| SIGNATURE | 072 |
| SONY | 070 085 139 147 126 185 194 |
| SOUNDESIGN | 004 028 003 043 |
| SPECTRICON | 112 |
| SSS | 004 043 |
| SUPRE MACY | 002 |
| SYLVANIA | 197 003 059 060 063 064 164 044 160 127 |
| TANDY | 081 |
| TATUNG | 056 062 |
| TECHNICS | 034 080 |
| TECHWOOD | 004 |
| TEKNIKA | 002 003 004 024 028 043 072 101 143 |
| TELEFUNKEN | 037 046 086 087 |
| TELERENT | 072 |
| TERA | 172 |
| TMK | 004 |
| TOSHIBA | 007 015 030 040 062 101 138 |
| TOTEVISION | 143 |
| UNIVERSAL | 008 009 |
| VIDEO CONCEPTS | 146 |
| VIDIKRON | 174 184 188 192 |
| VIDTECH | 004 |
| WARDS | 004 008 009 019 028 060 061 063 064 072 074 143 164 034 |
| WESTING HOUSE | 076 |
| YAMAHA | 197 004 |
| YORK | 004 |
| YUPITERU | 043 |
| ZENITH | 072 073 095 103 157 |
| ZONDA | 112 |

Set-Up Code Tables

VCR

| Manufacturer/Brand | Set-Up Code Number |
|---------------------------|--|
| AIWA | 034 161 |
| AKAI | 016 043 046 124 125 142 146 |
| AMPRO | 072 |
| ANAM | 031 |
| AUDIO DYNAMICS | 012 023 039 043 |
| BROOKSONIC | 035 037 129 |
| CANON | 028 031 |
| CAPEHART | 108 |
| CRAIG | 003 040 135 |
| CURTIS MATHERS | 031 041 |
| DAEWOO | 005 007 010 065 108 110 111 112 116 117 119 |
| DAYTRON | 108 |
| DBX | 012 023 039 043 |
| DYNATECH | 034 053 |
| ELECTROHOME | 059 |
| EMERSON | 006 017 025 027 029 031 034 035 036 037 046 101 129 131 138 153 162 116 |
| FISHER | 003 008 009 010 |
| FUNAI | 034 |
| GE | 031 063 072 107 109 144 147 |
| GO VIDEO | 132 136 155 040 115 |
| GOLDSTAR | 012 013 020 101 106 114 123 |
| HARMAN KARDON | 012 045 |
| HITACHI | 004 018 026 034 043 063 137 150 160 013 |
| INSTANTREPLAY | 031 |
| JCL | 031 |
| JCPENNY | 012 013 015 040 066 101 |
| JENSEN | 043 |
| JVC | 012 031 043 048 050 055 060 130 150 152 |
| KENWOOD | 014 048 034 047 |
| LLOYD | 034 |
| LXI | 003 009 017 034 106 |
| MAGIN | 040 |
| MAGNAVOX | 031 034 041 067 068 156 164 |
| MARANTZ | 012 031 067 069 |
| MARTA | 101 |
| MATSUI | 027 030 |
| MEI | 031 |
| MEMOREX | 003 010 014 031 034 053 072 101 102 134 139 |
| MGA | 045 046 059 |
| MINOLTA | 013 020 |

Set-Up Code Tables

VCR

| Manufacturer/Brand | Set-Up Code Number |
|---------------------------|---|
| MITSUBISHI | 013 020 045 046 051 059 061 142 151 049 |
| MTC | 034 040 |
| MULTITECH | 024 034 |
| NEC | 012 023 039 043 048 |
| NORDMENDE | 043 |
| OPTONICA | 053 054 |
| ORION | 025 |
| PANASONIC | 066 070 083 133 140 145 157 163 074 |
| PENTAX | 013 020 031 063 |
| PHILCO | 031 034 067 |
| PHILIPS | 031 034 054 067 071 101 |
| PILOT | 101 |
| PIONEER | 013 021 048 |
| PORTLAND | 108 |
| PULSAR | 072 |
| QUARTZ | 002 014 |
| QUASAR | 066 145 075 |
| RADIO SHACK | 123 |
| RCA | 013 020 041 107 109 140 144 145 147 034 040 158 |
| REALISTIC | 003 008 010 014 031 034 040 053 054 101 |
| RICO | 058 |
| RUNCO | 148 |
| SALORA | 014 |
| SAMSUNG | 032 040 066 102 104 107 109 112 113 115 120 122 125 |
| SANSUI | 022 043 048 135 |
| SANYO | 003 007 010 014 134 102 |
| SCOTT | 017 037 112 129 131 |
| SEARS | 003 008 009 010 013 014 081 101 017 073 112 |
| SHARP | 031 054 149 159 165 |
| SHINTOM | 024 |
| SIGNATURE | 034 |
| SONY | 003 031 052 056 057 058 076 077 078 149 154 |
| SOUNDESIGN | 034 |
| STS | 013 |
| SYLVANIA | 031 034 059 067 |
| SYMPHONIC | 034 |
| TANDY | 010 034 |
| TATUNG | 039 043 |
| TEAC | 034 039 043 |
| TECHNICS | 031 070 |
| TEKNIKA | 019 031 034 101 |

Set-Up Code Tables

VCR

| Manufacturer/Brand | Set-Up Code Number |
|---------------------------|---|
| THOMAS | 034 |
| TMK | 006 |
| TOSHIBA | 008 013 042 047 059 079 082 112 131 081 |
| TOTEVISION | 040 101 |
| UNITECH | 040 |
| VECTOR RESEARCH | 012 |
| VICTOR | 048 |
| VIDEO CONCEPTS | 012 034 046 141 |
| VIDEOSONIC | 040 |
| WARDS | 003 013 017 024 031 034 040 053 054 131 |
| YAMAHA | 012 034 039 043 |
| ZENITH | 034 048 056 058 072 080 101 |

Set-Up Code Tables

Cable

| Manufacturer/Brand | Set-Up Code Number |
|---------------------------|-------------------------------------|
| ABC | 103 003 004 039 042 046 053 |
| AMERICAST | 099 |
| ANTRONIX | 014 |
| ARCHER | 005 007 014 |
| BELL SOUTH | 099 |
| CENTURION | 092 |
| CENTURY | 007 |
| CITIZEN | 007 |
| COMBANO | 080 081 |
| COMSAT | 074 |
| COMTRONICS | 030 |
| DIGICABLE | 101 |
| EAGLE | 020 030 040 |
| EASTERN | 057 066 |
| ECHOSTAR | 106 |
| ELECTRICORD | 032 |
| GEMINI | 008 054 |
| GENERAL ELECTRIC | 072 |
| GENERAL INSTRUMENT | 103 074 104 |
| GNC | 099 |
| GOLDEN CHANNEL | 030 |
| HAMLIN | 049 050 055 |
| HITACHI | 103 055 |
| JERROL | 103 002 003 004 008 009 010 069 074 |
| MAGNAVOX | 010 012 064 079 095 094 |
| MEMOREX | 052 |
| MITSUBISHI | 102 |
| M-NET | 037 |
| MOVIE TIME | 028 032 |
| NOVAPLEX | 092 |
| NSC | 015 028 038 071 |
| OAK | 031 037 053 |
| PANASONIC | 044 047 |
| PARAGON | 052 |
| PHILIPS | 006 012 013 020 085 095 |
| PIONEER | 103 034 051 063 076 105 |
| PRUCER | 059 |
| PTS | 011 071 074 |
| PULSAR | 052 |
| RCA | 047 |
| RECOTON | 098 |

Set-Up Code Tables

Cable

| Manufacturer/Brand | Set-Up Code Number |
|---------------------------|-----------------------------|
| REGAL | 049 050 |
| REGENCY | 057 |
| SAMSUNG | 030 |
| SCIENTIFIC ATLANTA | 003 011 041 042 043 045 046 |
| SIGNAL | 030 |
| SIGNATURE | 103 |
| SL MARX | 030 |
| SONY | 096 |
| SPRUCER | 047 078 |
| STARCOM | 002 004 008 009 |
| STARGATE | 008 030 097 104 |
| TADIRAN | 030 |
| TOCOM | 039 040 056 |
| TOSHIBA | 052 |
| UNIKA | 007 014 |
| UNITED CABLE | 004 053 |
| UNIVERSAL | 005 007 014 032 035 |
| VIEWSTAR | 012 015 018 086 087 088 089 |
| ZENITH | 052 060 093 100 |

Set-Up Code Tables

CD

| Manufacturer/Brand | Set-Up Code Number |
|--------------------|--|
| ADCOM | 062 042 |
| AIWA | 059 065 088 089 105 122 170 187 |
| AKAI | 085 195 202 |
| AMC | 231 232 |
| AMEND | 118 |
| ARCAM | 238 |
| AUDIO ACCESS | 119 147 |
| AUDIO EASE | 165 |
| AUDIO TECHNICA | 046 |
| BSR | 037 057 |
| CALIFORNIA AUDIO | 103 008 |
| CAPETRONIC | 063 |
| CARRERA | 057 080 |
| CARVER | 185 041 044 050 086 107 130 134 135 138 139 203 204 167 |
| CASIO | 111 182 |
| CLARINETTE | 182 |
| CREEK | 159 |
| CROWN | 035 |
| DENON | 002 123 |
| EMERSON | 042 069 102 |
| FISHER | 050 185 134 008 |
| FRABA | 111 |
| GENEXXA | 010 069 102 |
| GOLDSTAR | 080 |
| HAITAI | 093 |
| HARMAN KARDON | 018 033 047 208 |
| HITACHI | 042 175 |
| INKEL | 130 143 144 |
| JC PENNY | 014 061 092 141 |
| JENSEN | 158 |
| JVC | 004 022 136 163 213 214 242 |
| KENWOOD | 185 007 023 055 071 072 142 137 |
| KOSS | 061 |
| KRELL | 241 |
| KYOCERA | 005 |
| LOTTE | 102 |
| LUXMAN | 011 028 070 076 |
| LXI | 059 |
| MAGNAVOX | 044 107 |
| MARANTZ | 027 041 044 051 077 107 209 |

Set-Up Code Tables

CD

| Manufacturer/Brand | Set-Up Code Number |
|---------------------------|---|
| MCINTOSH | 212 |
| MCS | 014 073 092 |
| MEMOREX | 010 |
| MISSION | 044 107 |
| MITSUBISHI | 179 |
| MITSUMI | 153 |
| MODULAIRE | 182 |
| MONDIAL | 147 |
| NAD | 006 005 067 178 |
| NAKAMICHI | 217 218 219 095 |
| NEC | 014 062 |
| NIKKO | 046 |
| NSM | 044 107 |
| ONKYO | 030 038 039 168 169 |
| OPTIMUS | 010 050 057 058 081 082 083 085 093 195 |
| PANASONIC | 103 201 172 008 068 |
| PARASOUND | 233 |
| PHILIPS | 041 044 |
| PIONEER | 010 020 025 056 174 175 176 |
| PROCEED | 239 |
| PROTON | 044 107 228 |
| QUASAR | 103 008 |
| RADIO SHACK | 182 |
| RCA | 017 042 150 |
| REALISTIC | 042 050 051 102 181 182 187 |
| ROTEL | 044 107 161 178 |
| SAE | 044 107 |
| SANSUI | 044 069 107 128 171 190 125 |
| SANYO | 050 |
| SCOTT | 069 102 |
| SHARP | 026 031 051 066 |
| SHERWOOD | 003 019 051 096 112 115 119 166 |
| SIGNATURE | 033 |
| SONY | 048 081 097 126 133 177 225 226 164 |
| SOUNDESIGN | 251 |
| SUMO | 155 |
| SYLVANIA | 044 107 |
| SYMPHONIC | 052 181 |
| TAEKWANG | 195 085 |
| TANDY | 010 |
| TEAC | 015 034 036 051 052 101 131 140 079 |

Set-Up Code Tables

CD

| Manufacturer/Brand | Set-Up Code Number |
|---------------------------|-----------------------------|
| TECHNICS | 060 103 200 172 184 008 068 |
| TECHWOOD | 076 |
| THETA DIGITAL | 234 235 |
| TOSHIBA | 006 067 091 160 148 |
| VECTOR RESEARCH | 080 |
| VICTOR | 004 022 114 124 |
| WARDS | 185 033 |
| YAMAHA | 024 046 054 186 183 |
| YORX | 182 |

Set-Up Code Tables

DVD

| Manufacturer/Brand | Set-Up Code Number |
|---------------------------|---------------------------|
| DENON | 007 206 207 080 |
| FUNAI | 120 |
| GE | 026 027 |
| GOLDSTAR | 057 |
| JVC | 012 |
| KENWOOD | 152 013 |
| MAGNAVOX | 066 032 121 |
| MARANTZ | 211 |
| MITSUBISHI | 017 121 |
| NAD | 121 |
| ONKYO | 076 035 |
| OPTIMUS | 049 013 |
| PANASONIC | 021 113 042 |
| PHILIPS | 066 032 |
| PIONEER | 023 106 117 121 |
| PROSCAN | 026 027 |
| RADIO SHACK | 120 |
| RCA | 026 027 002 |
| REALISTIC | 049 |
| RUNCO | 127 |
| SAMSUNG | 056 070 |
| SANYO | 075 |
| SHARP | 152 013 |
| SONY | 033 053 110 |
| TECHNICS | 113 |
| THETA DIGITAL | 032 |
| THOMPSON | 026 027 |
| TOSHIBA | 035 152 106 |
| YAMAHA | 042 129 043 |
| ZENITH | 057 074 |

Set-Up Code Tables

AUX

| Manufacturer/Brand | Set-Up Code Number |
|--------------------|---|
| 3M | 152 |
| AIWA | 015 071 100 114 164 |
| ARCHER | 155 |
| AUTON | 191 |
| CARVER | 006 008 027 024 036 |
| DENON | 105 227 229 |
| DMX | 156 |
| DRAPER SCREEN | 204 |
| DWIN | 080 |
| EVERQUEST | 206 |
| EXTRON | 151 |
| FAROUDJA | 184 |
| FISHER | 064 |
| FUJI | 209 |
| GOLDSTAR | 011 |
| HARMAN KARDON | 233 |
| JERROLD | 153 |
| JVC | 106 116 239 240 185 |
| KENWOOD | 005 013 023 026 064 145 146 181 190 185 |
| LINN | 124 |
| LITE-TOUCH | 208 |
| LUTRON | 158 159 077 |
| LUXMAN | 035 137 139 |
| MAGNAVOX | 027 |
| MAKITA | 186 201 |
| MARANTZ | 014 027 056 065 087 |
| MCINTOSH | 238 |
| MINDPATH | 205 |
| MITSUBISHI | 242 243 |
| NAD | 029 048 |
| NAKAMICHI | 244 245 025 |
| NILES | 160 187 |
| NSM | 161 |
| ONKYO | 002 012 016 017 018 019 115 |
| OPTIMUS | 026 054 055 |
| PANASONIC | 007 010 032 088 195 |
| PHILIPS | 027 087 |
| PIONEER | 003 039 047 050 066 098 222 |
| POLKAUDIO | 162 |
| QUASAR | 007 088 |
| REPLAY | 075 |

Set-Up Code Tables

AUX

| Manufacturer/Brand | Set-Up Code Number |
|---------------------------|---------------------------------|
| RUSSOUND | 081 |
| SANSUI | 027 113 119 224 |
| SCIENTIFIC ATLANTA | 163 156 |
| SHARP | 026 057 131 175 181 |
| SHERWOOD | 038 004 028 030 033 034 |
| SIMA | 082 |
| SOLO ELECTRONICS | 207 |
| SOMFY | 078 079 |
| SONY | 020 022 052 084 089 164 165 166 |
| STARCOM | 153 |
| TEAC | 009 059 212 |
| TECHNICS | 007 010 076 088 109 122 193 |
| TOSHIBA | 112 |
| TURBOSCAN | 167 |
| VELODYNE | 203 |
| VICTOR | 106 |
| X-10 | 183 |
| XANTECH | 168 169 170 171 172 188 189 |
| YAMAHA | 021 026 031 067 |

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